UKRSPECSYSTEMS is a Ukrainian based company focused in developing and producing UAV platforms, camera payloads and related equipment.
Our Gyro–Stabilized Gimbals

USG–212

EO and IR sensors gyro–stabilized gimbal with some advanced features

USG–211

Compact multi–purpose single sensor (EO or IR) gimbal
USG–301

Industrial 3-axis gyro-stabilized gimbal with Full HD camera with 30x optical zoom

USG–302

Industrial 3-axis gyro-stabilized gimbal with Full HD camera with 30x optical zoom

USG–302

Dual sensor 3-axis gyro-stabilized gimbal for VTOL multirotor drones
USG–212 Gimbal

Dual–sensor compact and light–weight 2–axis gyro–stabilized gimbal for fixed–wing platforms

EO Sensor
- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti–fog feature

Features
- 360 degrees rotation
- Weather sealed
- Anti–vibration damping mount
- Ethernet or 3G–SDI out

IR sensor
- 640 by 512 resolution
- 30 Hz refresh rate
- 40 mm lens

Options
- Digital video stabilization
- Target tracking
- Movement detection
- Georeference

Dimensions
- Height: 266 mm
- Width: 160 mm
- Weight: 2400 g

USG–211 Gimbal

Compact 2–axis gyro–stabilized gimbal for fixed–wing and multirotor platforms

EO Sensor
- Sony EV7500 Full HD 1080p
- 30x optical zoom
- Anti–fog feature

Features
- 360 degrees rotation
- Weather sealed
- Anti–vibration damping mount
- Ethernet or 3G–SDI out

Dimensions
- Width: 123 mm
- Length: 123 mm
- Height: 164 mm
- Weight: 950 g

Options
- Digital video stabilization
- Target tracking
- Movement detection
- Georeference
USG–302 Gimbal

Dual–sensor 3–axis gimbal for multirotor VTOL platforms

Features
• 360 degrees rotation
• Weather sealed
• Anti–vibration damping mount
• 3G–SDI out or HDMI out
• S.BUS or PPM control signals

EO Sensor
• Sony EV7500 Full HD 1080p
• 30x optical zoom
• Anti–fog feature

IR sensor
• 640 by 512 resolution
• 30 Hz refresh rate
• 40 mm lens

Options
• Digital video stabilization
• Target tracking
• Movement detection
• Georeference

Dimensions
• Height: 170 mm
• Length: 192 mm
• Weight: 1400 g

USG–301 Gimbal

Industrial grade 3–axis gyro–stabilized gimbal for multirotor platforms

Features
• 360 degrees rotation
• Weather sealed
• Anti–vibration damping mount
• HDMI or 3G–SDI out
• S.BUS or PPM control signals

EO Sensor
• Sony EV7500 Full HD 1080p
• 30x optical zoom
• Anti–fog feature

Dimensions
• Width: 191 mm
• Length: 192 mm
• Height: 162 mm
• Weight: 950 g

Options
• Digital video stabilization
• Target tracking
• Movement detection
• Georeference
USG–251 Micro Gimbal

2–axis gyro–stabilized micro gimbal for fixed–wing and multirotor platforms

EO Sensor
• Full HD 1080p
• 10x optical zoom
• Optical image stabilization

Features
• 360 degrees rotation
• Weather sealed
• Anti–vibration damping mount
• Serial or PPM control signals

Dimensions
• Width: 96 mm
• Length: 90 mm
• Height: 124 mm
• Weight: 350 g

Options
• Digital video stabilization
• Target tracking
• Movement detection
• Georeference

Digital Video Processing

Our Digital Video Processing module can be connected to any of our gimbals and adds a wide range of great features

Digital Video Processing
• Digital video stabilization
• Target tracking
• Movement detection
• Multichannel feed processing and output
• Dual feed video recording

Communications
• HDMI in/out
• SDI in/out
• Ethernet
• RS 232
• 256 GB SDD for video/data recording or MicroSD card

Dimensions
• Size 138 х 138 х 62 mm (enclosed)
• Weight 680 g
Commercial products compatibility table

Our gimbal are fully compatible with most commercial drones and equipment on the market

- Fixed-wing UAV
- Multirotor VTOL drones
- Full HD commercial video links
- IP data links
- Helicopters
- Small manned aircrafts
- COFDM video links
- Other HDMI/SDI/IP data links

Gimbals compatibility

Our gimbals are designed to be used with most popular air vehicles and equipment the market. We did our best to reduce integration need to minimum

<table>
<thead>
<tr>
<th></th>
<th>PD–1 fixed–wing UAV or similar</th>
<th>DJI S1000</th>
<th>DJI Matrice 600</th>
<th>DJI Lightbridge 2</th>
<th>Amimon Connex</th>
<th>HDMI and SDI video links</th>
<th>IP data links</th>
</tr>
</thead>
<tbody>
<tr>
<td>USG–212</td>
<td>✔</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>USG–211</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>USG–301</td>
<td>✗</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>USG–302</td>
<td>✗</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✗</td>
</tr>
<tr>
<td>USG–251</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✗</td>
</tr>
</tbody>
</table>

—with converter—Fully compatible out of the box
Our gimbals can be used for wide variety of applications

Commercial

Public Safety & Military

Industrial